## Amendments to the Claims

1. (Currently Amended) Apparatus for generating a precursor for a semiconductor processing system, comprising:

a canister defining an interior volume having an upper region and a lower region;

a precursor material [[is]] at least partially disposed in the lower region of the canister; and

at least one silo extending from the lower region of the canister to the upper region.

- 2. (Original) The apparatus of claim 1, wherein the at least one silo is a fin or a post.
- 3. (Original) The apparatus of claim 2, wherein the at least one silo comprises a heat-conducting material.
- 4. (Original) The apparatus of claim 3, wherein the heat-conducting material is selected from the group consisting of aluminum, stainless steel and combinations thereof.
- 5. (Original) The apparatus of claim 4, wherein there are at least three silos extending from the bottom of the canister.
- 6. (Original) The apparatus of claim 2, wherein a gas flow inlet tube is adapted to create a non-linear flow of gas into the upper region of the canister.
- 7. (Original) The apparatus of claim 6, wherein the non-linear flow is adapted to create an increased saturation level of the gas in the upper region of the canister.
- 8. (Original) The apparatus of claim 7, wherein the gas flow inlet tube extends from the upper region of the canister to a lower region of the canister.

- 9. (Original) The apparatus of claim 6, wherein the gas flow inlet tube comprises a restriction.
- 10. (Original) The apparatus of claim 9, wherein the gas flow inlet tube comprises at least one opening anterior to the restriction.
- 11. (Original) The apparatus of claim 10, wherein the at least one opening is adapted to provide a non-linear flow of gas into the upper region of the canister.
- 12. (Original) The apparatus of claim 2, wherein the precursor material comprises tantalum.
- 13. (Original) The apparatus of claim 12, wherein the precursor material comprises pentakis(dimethylamido)tantalum having a chlorine concentration of about 5 ppm or less.
- 14. (Original) Apparatus for generating a precursor for a semiconductor processing system, comprising:
- a canister defining an interior volume having an upper region and a lower region; and
- a tantalum precursor material having a chlorine concentration of about 5 ppm or less at least partially disposed in the lower region of the canister.
- 15. (Original) The apparatus of claim 14, wherein the tantalum precursor material comprises pentakis(dimethylamido)tantalum.
- 16. (Original) The apparatus of claim 14, wherein at least one silo extends from a bottom of the canister in the lower region to the upper region.
- 17. (Original) The apparatus of claim 16, wherein the at least one silo is a fin or a post.

- 18. (Original) The apparatus of claim 17, wherein the at least one silo comprises a heat-conducting material.
- 19. (Original) The apparatus of claim 18, wherein the heat-conducting material is selected from the group consisting of aluminum, stainless steel and combinations thereof.
- 20. (Original) The apparatus of claim 19, wherein there are at least three silos extending from the bottom of the canister.
- 21. (Original) The apparatus of claim 16, wherein a gas flow inlet tube is adapted to create a non-linear flow of gas into the upper region of the canister.
- 22. (Original) The apparatus of claim 21, wherein the non-linear flow is adapted to create an increased saturation level of the gas in the upper region of the canister.
- 23. (Original) The apparatus of claim 22, wherein the gas flow inlet tube extends from the upper region of the canister to a lower region of the canister.
- 24. (Original) The apparatus of claim 21, wherein the gas flow inlet tube comprises a restriction.
- 25. (Original) The apparatus of claim 24, wherein the gas flow inlet tube comprises at least one opening anterior to the restriction.
- 26. (Original) The apparatus of claim 25, wherein the at least one opening is adapted to provide a non-linear flow of gas into the upper region of the canister.
- 27. (Original) Apparatus for generating a precursor for a semiconductor processing system, comprising:

a canister defining an interior volume having an upper region and a lower region; a precursor material at least partially filling the lower region of the canister; and a gas flow inlet tube adapted to inject a carrier gas into the canister in a direction away from the precursor material.

- 28. (Original) The apparatus of claim 27, wherein the gas flow inlet tube is adapted to create a non-linear flow of gas into the upper region of the canister.
- 29. (Original) The apparatus of claim 28, wherein the non-linear flow is adapted to create an increased saturation level of the gas in the upper region of the canister.
- 30. The apparatus of claim 27, wherein the gas flow inlet tube extends (Original) from the upper region of the canister to a lower region of the canister.
- 31. (Original) The apparatus of claim 30, wherein the gas flow inlet tube is adapted to provide a first flow of gas into the upper region of the canister.
- 32. (Original) The apparatus of claim 30, wherein the gas flow inlet tube is adapted to provide a second flow of gas to the lower region of the canister.
- 33. (Original) The apparatus of claim 30, wherein the gas flow inlet tube comprises a restriction.
- 34. (Original) The apparatus of claim 33, wherein the gas flow inlet tube comprises at least one opening anterior to the restriction.
- 35. (Original) The apparatus of claim 35, wherein the at least one opening is adapted to provide a non-linear flow of gas into the upper region of the canister.
- 36. The apparatus of claim 32, wherein the second flow of gas to the (Original) lower region is adapted to maintain a suspension of the precursor materials.

- 37. (Original) The apparatus of claim 31, wherein the first flow of gas is adapted to maintain an overall gas flow volume.
- 38. (Original) The apparatus of claim 27, wherein the precursor material comprises tantalum.
- 39. (Original) The apparatus of claim 38, wherein the precursor material comprises pentakis(dimethylamido)tantalum having a chlorine concentration of about 5 ppm or less.
- 40. (Original) Apparatus for generating a precursor for a semiconductor processing system, comprising:

a canister having a sidewall, a top portion and a bottom portion, wherein the canister defines an interior volume having an upper region and a lower region; and at least one silo extending from the upper region to the lower region.

- 41. (Original) The apparatus of claim 40, wherein the at least one silo is a fin or a post.
- 42. (Original) The apparatus of claim 41, wherein the at least one silo comprises a heat-conducting material selected from the group consisting of aluminum, stainless steel and combinations thereof.
- 43. (Original) The apparatus of claim 40, wherein a precursor material is at least partially disposed in the lower region of the canister.
- 44. (Original) The apparatus of claim 43, wherein the precursor material comprises tantalum.

45. (Original) The apparatus of claim 44, wherein the precursor material comprises pentakis(dimethylamido)tantalum having a chlorine concentration of about 5 ppm or less.